

DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 Office of Structural Materials
 Quality Assurance and Source Inspection



Bay Area Branch
 690 Walnut Ave. St. 150
 Vallejo, CA 94592-1133
 (707) 649-5453
 (707) 649-5493

Contract #: 04-0120F4
 Cty: SF/ALA Rte: 80 PM: 13.2/13.9
 File #: 69.25B

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

Location: Changxing Island, Shanghai, P.R. China **Report No:** NCR-000700
Prime Contractor: American Bridge/Fluor Enterprises, a JV **Date:** 23-Mar-2010
Submitting Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0667

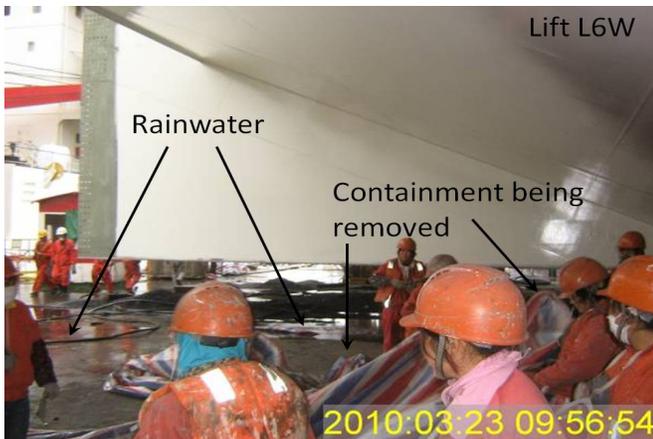
Type of problem:

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: OBG Lift L6W
Procedural	Procedural	Description:	

Reference Description: Paint Drying/Curing in Inclement Weather, FL-3 Bottom Panels at Crossbeams CB5 and CB6, OBG Lift L6W

Description of Non-Conformance:

ZPMC personnel installed containment, employed dehumidification, and applied Interfine 979 finish coat to the FL-3 bottom panels on OBG Lift L6W at Crossbeams CB5 and CB6. Immediately after application, the containment and dehumidification was removed. This exposed the freshly painted surfaces to inclement weather prior to proper paint drying/curing. Lift L6W was then moved to Transport Ship #17 where the freshly painted surface was placed directly on dunnage.



Applicable reference:

Special Provisions: 10-1.69 Clean and Paint Structural Steel: "The Contractor shall provide suitable enclosures to permit cleaning and painting during inclement weather. Provisions shall be made to control atmospheric conditions inside the enclosures within limits suitable for cleaning throughout the cleaning operation, painting throughout the painting operation, drying throughout the drying period to solvent insolubility, and throughout the curing period per the manufacturers' recommendations and these special provisions."

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

Who discovered the problem: James Lumley
Name of individual from Contractor notified: Don Walton
Time and method of notification: 3-23-10 –10:30 hrs - Verbal
Name of Caltrans Engineer notified: Bill Howe
Time and method of notification: 3-23-10 –15:20 hrs - Verbal
QC Inspector's Name: Dong Yaofei
Was QC Inspector aware of the problem: Yes No
Contractor's proposal to correct the problem:

Comments:

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest, 15000422360, who represents the Office of Structural Materials for your project.

Inspected By:	Guest, Skyler	SMR
Reviewed By:	Wahbeh, Mazen	SMR



DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge
666 Feng Bin Road Room 708, Changxing Island
Shanghai 201913 PR China
Tel: 021-56856666 ext 207061 Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

To: AMERICAN BRIDGE/FLUOR, A JV
375 BURMA ROAD
OAKLAND CA 95607

Date: 24-Mar-2010

Contract No: 04-0120F4
04-SF-80-13.2 / 13.9

Dear: Mr. Charles Kanapicki

Job Name: SAS Superstructure

Attention: Mr. Thomas Nilsson Project/Fabrication Manager

Document No: 05.03.06-000657

Subject: NCR No. ZPMC-0667

Reference Description: Paint Drying/Curing in Inclement Weather, FL-3 Bottom Panels at Crossbeams CB5 and CB6, OBG Lift L6W

The attached Non-Conformance Report describes an occurrence where the contractor did not comply with a requirement of the contract document as indicated below:

- Material or Workmanship not in conformance with contract documents.
- Quality Control (QC) not performed in conformance with contract documents.
- Recurring QC issue that constitutes a systematic problem in quality control.
- Non-Conformance Resolved.

Material Location: OBG **Lift:** 06

Remarks:

ZPMC personnel installed containment, employed dehumidification, and applied Interfine 979 finish coat to the FL-3 bottom panels on OBG Lift L6W at Crossbeams CB5 and CB6. Immediately after application, the containment and dehumidification was removed. This exposed the freshly painted surfaces to inclement weather prior to proper paint drying/curing. Lift L6W was then moved to Transport Ship #17 where the freshly painted surface was placed directly on dunnage.

Action Required and/or Action Taken:

Propose a resolution for the identified non-conformance with revised procedures to prevent future occurrences. A response for the resolution of this issue is expected within 7 days.

Transmitted by: Sean Eagen Transportation Engineer

Attachments: ZPMC-0667

cc: Rick Morrow, Gary Pursell, Peter Siegenthaler, Stanley Ku, Brian Boal, Jason Tom, Contract Files, Ching Chao, Bill Casey

File: 05.03.06

NCR PROPOSED RESOLUTION

To: CALTRANS - SAS Superstructure
333 Burma Road
Oakland CA 94607

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000657

Subject: NCR No. ZPMC-0667

Dated: 25-Mar-2010

Contract No.: 04-0120F4
04-SF-80-13.2 / 13.9

Job Name: SAS Superstructure

Document No.: ABF-NPR-000635 Rev: 00

Contractor's Proposed Resolution:

Reference Resolution: ZPMC will write an internal NCR regarding this matter and remind the paint inspectors of the requirements of the curing.

ZPMC will write an internal NCR regarding this matter and remind the paint inspectors of the requirements of the curing. In the future these incident should be prevented by ensuring that the ZPMC QC enforces the requirements with regards the time required for curing. This incident will be added to the outstanding works list and any work related to closing this NCR will be performed at the jobsite in the USA. Based on this ZPMC requests that this NCR be closed.

Submitted by: Ishibashi, Joshua

Attachment(s): ABF-NPR-000635R00

Caltrans' comments:

Status: CLO

Date: 05-Apr-2010

This proposed resolution is acceptable. The documentation received is sufficient and the Department concurs that Non-Conformance ZPMC-0667 is closed.

Submitted by: Eagen, Sean

Attachment(s):

Date: 05-Apr-2010

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Changxing Island, Shanghai, P.R. China**Report No:** NCS-000735**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 25-Mar-2010**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0667**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component:
Procedural	Procedural	Description:	

Date the Non-Conformance Report was written: 23-Mar-2010**Description of Non-Conformance:**

ZPMC personnel installed containment, employed dehumidification, and applied Interfine 979 finish coat to the FL-3 bottom panels on OBG Lift L6W at Crossbeams CB5 and CB6. Immediately after application, the containment and dehumidification was removed. This exposed the freshly painted surfaces to inclement weather prior to proper paint drying/curing. Lift L6W was then moved to Transport Ship #17 where the freshly painted surface was placed directly on dunnage.

Contractor's proposal to correct the problem:

ZPMC will issue an internal NCR to the paint inspectors regarding the requirement of curing. The incident will be added on the outstanding works list, and work related to close this NCR will be performed at the jobsite in the USA.

Corrective action taken:

ZPMC will issue an internal NCR to paint inspectors regarding the curing requirement. ZPMC QC will enforce the requirements with regards the time required for curing.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:****Date:****Is Engineer's approval attached?** Yes No**Comments:**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By: Ng, Michael

Quality Assurance Inspector

Reviewed By: Devey, Jim

QA Reviewer